

WHAT IS CLAIMED IS

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1. A CDMA receiving device comprising:
a receiving unit for receiving a spread
signal;
an equalizing unit for equalizing the
10 received signal;
a despreding unit for despreding the
received signal; and
a controlling signal adjusting unit for
adjusting a signal obtained from the despread signal
15 to a spread type controlling signal to be supplied
to the equalizing unit.

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2. A CDMA receiving device comprising:
a receiving unit for receiving a spread
signal;
an interference compensation unit for
25 performing interference compensation on the received
signal;
a despreding unit for despreding the
received signal; and
a controlling signal adjusting unit for
30 adjusting a signal obtained from the despread signal
to a spread type controlling signal to be supplied
to the interference compensation unit.

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3. A CDMA receiving device comprising:

a receiving unit for receiving a spread signal;

a despreading unit for despreading the received signal;

5 an equalizing unit for equalizing the despread signal; and

a spreading unit for spreading amplitude information and error information of the equalized signal;

10 wherein the spread amplitude information and error information are used as controlling signals in the equalizing unit.

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4. A CDMA receiving device comprising:

a receiving unit for receiving a spread signal;

20 a despreading unit for despreading the received signal;

an interference compensation unit for performing interference compensation on the despread signal; and

25 a spreading unit for spreading amplitude information and error information outputted of the compensated signal;

30 wherein the spread amplitude information and error information are used as controlling signals in the interference compensation unit.

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5. A CDMA receiving device comprising:

a receiving unit for receiving a spread signal;

an equalizing unit for equalizing the received signal;

a despreading unit for despreading the equalized signal; and

5 a spreading unit for spreading amplitude information and error information of the despread signal;

wherein the spread amplitude information and error information are used as controlling
10 signals in the equalizing unit.

15 6. A CDMA receiving device comprising:
a receiving unit for receiving a spread signal;

an interference compensation unit for performing interference compensation on the received
20 signal;

a despreading unit for despreading the compensated signal; and

a spreading unit for spreading amplitude information and error information of the despread
25 signal;

wherein the spread amplitude information and error information are used as controlling signals in the interference compensation unit.

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7. A CDMA receiving device comprising:
a receiving unit for receiving a spread

35 signal;

an equalizing unit for equalizing the received signal;

a despreading unit for despreading the equalized signal; and

a spreading unit for spreading error information of the despread signal;

5 wherein the spread error information and amplitude information inputted to the equalizing unit are used as controlling signals in the equalizing unit.

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8. A CDMA receiving device comprising:
a receiving unit for receiving a spread

15 signal;

an interference compensation unit for performing interference compensation on the received signal;

20 a despreading unit for despreading the compensated signal; and

a spreading unit for spreading error information of the despread signal;

25 wherein the spread error information and amplitude information inputted to the interference compensation unit are used as controlling signals in the interference compensation unit.

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9. A CDMA receiving device comprising:
a receiving unit for receiving a spread
signal;

35 a signal processing unit for performing signal processing on the received signal;

a despreading unit for despreading the received signal; and

a controlling signal adjusting unit for adjusting a signal obtained from the despread signal to a spread type controlling signal to be supplied to the signal processing unit.

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10 10. A CDMA receiving method comprising the steps of:
receiving a spread signal;
performing signal processing and despread-
despreading on the received signal; and
adjusting a signal obtained from a
15 despread signal obtained at the despreading step to a spread type controlling signal to be supplied for the signal processing.

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11. A CDMA receiving device comprising:
a receiving unit for receiving a spread
signal;
25 a despreading unit for despreading the received signal;
an equalizing unit for equalizing the despread signal; and
a spreading unit for spreading amplitude
30 information of an input signal to the equalizing unit and error information of an output signal from the equalizing unit;
wherein the spread amplitude information and error information are used as controlling
35 signals in the equalizing unit.

12. A CDMA receiving device comprising:
a receiving unit for receiving a spread
5 signal;
a signal processing unit for performing
signal processing on the received signal;
a despread unit for despread the
received signal; and
10 a controlling signal adjusting unit for
adjusting a signal obtained from the despread signal
to a spread type controlling signal to be supplied
to the signal processing unit.

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